(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁷: H04L 12/14, 29/06, H04M 15/00

(21) International Application Number:
PCT/FI2003/000546

(22) International Filing Date: 4 July 2003 (04.07.2003)

(25) Filing Language: Finnish

(26) Publication Language: English
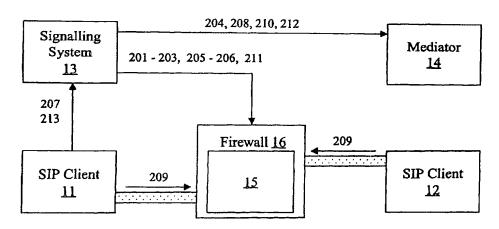
(30) Priority Data:
20021378 12 July 2002 (12.07.2002) FI

(71) Applicant (for all designated States except US): COMP-TEL OYJ [FI/FI]; Ruoholahdenkatu 4, FIN-00180 Helsinki (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KALLAND, Rolf [FI/FI]; Lielahdentie 3 A 13, FIN-00200 Helsinki (FI). NARDONE, Massimo [FI/FI]; Hiomokuja 1 A 24, FIN-00380 Helsinki (FI).

(74) Agent: SEPPO LAINE OY; Itämerenkatu 3 B, FIN-00180 Helsinki (FI).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO utility model (GH), ARIPO patent (GH), ARIPO utility model (GM), ARIPO patent (GM), ARIPO utility model (KE), ARIPO patent (KE), ARIPO utility model (LS), ARIPO patent (LS), ARIPO utility model (MW), ARIPO patent (MW), ARIPO utility model (MZ), ARIPO patent (MZ), ARIPO utility model (SD), ARIPO patent (SD), ARIPO utility model (SL), ARIPO patent (SL), ARIPO utility model (SZ), ARIPO patent (SZ), ARIPO utility model (TZ), ARIPO patent (TZ), ARIPO utility model (UG), ARIPO patent

(54) Title: METHOD, MEANS, AND COMPUTER PROGRAM PRODUCT FOR CONTROLLING AND/OR RESTRICTING USE OF TELECOMMUNICATIONS CONNECTION

(57) Abstract: This publication discloses a method for monitoring and/or limiting the use of a data communications connection subject to payment between IP clients in a packet-switched connection network (15), in which method the operator terminal (13), such as a SIP system, of the signalling channel of the connection station of the client is set to control a traffic limiter (16), such as a firewall in the operator's traffic-relaying system between the source terminal (11) and the destination terminal (12). The publication also discloses means for limiting the use of a data communications connection subject to payment, between IP clients, in a packet-switched connection network (15) and a computer software product for limiting the use of a data communications connection subject to payment, between IP clients, in a packet-switched connection network (15).

(57) Abstract:

This publication discloses a method for monitoring and/or limiting the use of a data communications connection subject to payment between IP clients in a packet-switched connection network (15), in which method the operator terminal (13), such as a SIP system, of the signalling channel of the connection station of the client is set to control a traffic limiter (16), such as a firewall in the operator's traffic-relaying system between the source terminal (11) and the destination terminal (12). The publication also discloses means for limiting the use of a data communications connection subject to payment, between IP clients, in a packet-switched connection network (15) and a computer software product for limiting the use of a data communications connection subject to payment, between IP clients, in a packet-switched connection network (15).

(Figure 2)